

# Data paper of JAMSTEC Report of Research and Development

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**Summary.** The JAMSTEC-R editorial committee initiate new category of paper called “Data paper” for publication on JAMSTEC-R from April, 2017. The data paper is defined as a paper that describes data contents, acquisition methods, data formats, and access for data obtained by observations, experiments, measurements, or computer simulation. A data paper does not include analysis, interpretation, or scientific conclusions. JAMSTEC-R will publish data papers on data obtained by JAMSTEC members working for scientific research and technical development, or data obtained by observation/research facilities of JAMSTEC. Upon publication, the data are accessible via the JAMSTEC-R data repository. We hope that publication of data papers enables access to valuable but unrecognized data and help promote Open Data.

**Keywords.** Data paper, Marine science, Database.

## 1. Introduction of JAMSTEC and JAMSTEC-R

Japan Agency for Marine-Earth Science and Technology (JAMSTEC) has the main objective to contribute to the advancement of academic research in addition to the improvement of marine science and technology by proceeding the fundamental research and development on marine, and the cooperative activities on the academic research related to the Ocean for the benefit of the peace and human welfare.

JAMSTEC publishes the peer-reviewed journal "JAMSTEC-R" (JAMSTEC Report of Research and Development) biannually (Sep / Mar) that reports research and development results on marine-earth science and technology. Its electronic journal is also available on J-STAGE. Those who are involved in research and technology development at JAMSTEC, and those who conduct a survey or research activity using JAMSTEC's survey equipment, research facilities or data and samples etc., are all eligible for paper submission regardless of organization to which they belong. We have four types of submission: “Original Paper”, “Review”, “Report” and the new category “Data Paper”. All manuscripts have

been peer-reviewed. Extensive coverage of ocean and the earth related fields. Submissions can be either in English or in Japanese.

## 2. Data paper of JAMSTEC-R

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Before the official initiation of data paper, the JAMSTEC-R editorial committee asked J. Yoshimitsu and M. Obayashi to submit the first data paper for JAMSTEC-R as a trial. The paper was on a database of travel times of seismic waves propagate in the Earth. The travel times

were measured from seismograms. In the trial review process of the data paper, description of data measurement method, data quality, and data format were most important. After the review process, the paper was published in March, 2017 [1]. The trial publication was useful for us to

establish a format of data paper and rules of writing and submission, and review process.

## References

1. Yoshimitsu, J., Obayashi, M., A database of global seismic travel times. *JAMSTEC Rep. Res. Dev.*, 24, 23-29, 2017